

**Flood Control Project Maintenance
Levee Inspections**

Fall 2012 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0004	Overall LMA Rating	Total LMA Miles						
Marysville Levee Commission	M	11.38						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments	1.29		1.29	11.34%	0.01	1.92		
LMA Totals:	1.29	0.00	1.29	11.34%	0.02	1.92	0.00	0.00
Unit No. 01 Simmerly Slough LB	Overall Unit Rating	Total Unit Miles						
NA0004	U	3.25						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	1.29		1.29	39.69%				
Unit Totals:	1.29	0.00	1.29	39.69%	0.00	0.00	0.00	0.00
Unit No. 02 Feather River LB	Overall Unit Rating	Total Unit Miles						
NA0004	A	1.27						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
Unit Totals:	0.00	0.00	0.00	0.00%				
Unit No. 03 Yuba River RB	Overall Unit Rating	Total Unit Miles						
NA0004	A	6.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.01			
Encroachments					0.01	1.92		
Unit Totals:	0.00	0.00	0.00	0.00%	0.02	1.92	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2012 Levee Inspection Results

Marysville Levee Commission

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Marysville Levee Commission

Waterway			Bank	Unit Miles
Unit No. 01 Simmerly Slough			Left	3.25
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/03/2012 - 04/03/2012		10/30/2012 - 10/30/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Frank Miller Marysville Levee District		Frank Miller Marysville Levee District	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Simmerly Slough						Left	3.25	10/30/2012 10/30/2012	Clay Thomas	
LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		°	°	2
DWR ID: DWR_NA0004_01_s_2012_2										
2			Earthen Levee	Emergency Supplies & Equipment	LS	A Ma		°	°	3
DWR ID: DWR_NA0004_01_s_2012_3										
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		°	°	4
DWR ID: DWR_NA0004_01_s_2012_4										
4	0.00	3.20	Earthen Levee	Vegetation	LS	A Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.164127 ° -121.560983 °	39.163650 ° -121.555966 °	5 Y
DWR ID: DWR_NA0004_01_f_2012_5										
5	0.00	3.20	Earthen Levee	Vegetation	WS	A Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.164127 ° -121.560983 °	39.163650 ° -121.555964 °	6 Y
DWR ID: DWR_NA0004_01_f_2012_6										
6	1.17	2.46	Earthen Levee	Encroachments	CR	M Ma	EQ : Equipment	39.161609 ° -121.590690 °	39.163998 ° -121.572751 °	7 Y
DWR ID: DWR_NA0004_01_f_2012_7										
7	3.21	3.21	Earthen Levee	Slope Stability	LS A/W	Ma	S1 : Repair slope instability. Inspector Comments: This drain pipe has been added to the site on the Corps PI.	39.163590 ° -121.559495 °	39.163590 ° -121.559495 °	1 Y
DWR ID: DWR_NA0004_01_s_2012_1										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.25	10/30/2012 10/30/2012	Clay Thomas

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	3.20
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside slope of the levee at levee mile 3.20.

cathom_f_20121102_219.JPG



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	3.20
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside slope of the levee at levee mile 3.20.

cathom_f_20121102_220.JPG



Levee Mile Report Line	6
Start Levee Mile	1.17
End Levee Mile	2.46
Location	Crown
Category	Earthen Levee
Item	Encroachments

Levee repair work on process.

cathom_f_20121102_221.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Simmerly Slough	Left	3.25	10/30/2012 10/30/2012	Clay Thomas

Levee Mile Report Line	7
Start Levee Mile	3.21
End Levee Mile	3.21
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

This site is on the Corps PI.

cathom_f_20120912_024.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2012 Levee Inspection Results
Marysville Levee Commission**

Waterway			Bank	Unit Miles
Unit No. 02 Feather River			Left	1.27
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/03/2012 - 04/03/2012		10/30/2012 - 10/30/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Frank Miller		Frank Miller	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 02 Feather River					Left	1.27	10/30/2012 10/30/2012		Clay Thomas

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.04	1.25	Earthen Levee	Vegetation	LS	A	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.149129 ° -121.601083 °	39.134762 ° -121.594119 °	1 Y
DWR ID: DWR_NA0004_02_f_2012_1										
2	0.04	1.25	Earthen Levee	Vegetation	WS	A	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.149129 ° -121.601083 °	39.134762 ° -121.594119 °	2 Y
DWR ID: DWR_NA0004_02_f_2012_2										

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+ Issue Type

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Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Feather River	Left	1.27	10/30/2012 10/30/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.04
End Levee Mile	1.25
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside slope of the levee at levee mile 0.00.

cathom_f_20121102_222.JPG



Levee Mile Report Line	2
Start Levee Mile	0.04
End Levee Mile	1.25
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside slope of the levee at levee mile 0.00.

cathom_f_20121102_223.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2012 Levee Inspection Results

Marysville Levee Commission

Waterway			Bank	Unit Miles
Unit No. 03 Yuba River			Right	6.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/03/2012 - 04/03/2012		10/30/2012 - 10/30/2012	
DWR Inspector	Clay Thomas		Clay Thomas	
Accompanied By	Frank Miller Marysville Levee District		Frank Miller Marysville Levee District	

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 03 Yuba River					Right	6.86	10/30/2012 10/30/2012		Clay Thomas

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.17	4.86	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.135167 ° -121.591615 °	39.185591 ° -121.539661 °	2 Y
DWR ID: DWR_NA0004_03_f_2012_2										
2	0.17	4.86	Earthen Levee	Vegetation	WS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.135168 ° -121.591615 °	39.185591 ° -121.539661 °	5 Y
DWR ID: DWR_NA0004_03_f_2012_5										
3	0.35	0.35	Earthen Levee	Vegetation	LS	M En	V6 : Landscaping	39.135145 ° -121.587730 °	39.135145 ° -121.587730 °	3 Y
DWR ID: DWR_NA0004_03_s_2012_3										
4	0.86	0.86	Earthen Levee	Encroachments	LS	U En	BU : Building	39.139843 ° -121.583033 °	39.139843 ° -121.583033 °	4 Y
DWR ID: DWR_NA0004_03_s_2012_4										
5	4.88	6.79	Earthen Levee	Encroachments	CR	U En	FE : Fence Inspector Comments: Levee miles 4.88-6.79 not inspected due to limited access from livestock fencing. Levee crown has been mowed.	° °	° °	1
DWR ID: DWR_NA0004_03_s_2012_1										
6	5.54	5.54	Earthen Levee	Encroachments	CR	M En	RA : Ramp Inspector Comments: This is on the patrol road.	39.190993 ° -121.530650 °	39.190993 ° -121.530650 °	10 Y
DWR ID: DWR_NA0004_03_s_2012_10										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.86	10/30/2012 10/30/2012	Clay Thomas

Levee Mile Report Line	1
Start Levee Mile	0.17
End Levee Mile	4.86
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This photo shows the landside slope of the levee at levee mile 0.17.

cathom_f_20121102_218.JPG



Levee Mile Report Line	2
Start Levee Mile	0.17
End Levee Mile	4.86
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This photo shows the waterside slope of the levee at levee mile 0.17.

cathom_f_20121102_217.JPG



Levee Mile Report Line	4
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Building encroaching at land side levee toe.

cathom_f_20120912_025.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2012

Marysville Levee Commission

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Yuba River	Right	6.86	10/30/2012 10/30/2012	Clay Thomas

Levee Mile Report Line	6
Start Levee Mile	5.54
End Levee Mile	5.54
Location	Crown
Category	Earthen Levee
Item	Encroachments

This ramp is on the patrol road, no known permit.

cathom_f_20120912_027.jpg



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